

**Amendments to the Claims:**

1. (Currently amended) An underwater hydrocarbon reservoir water injection system ~~(1)~~ for removing particulates from water, comprising:

separating means ~~(5)~~ for removing particulates from water~~([,])~~; and

pumping means ~~(8)~~ downstream from ~~the said~~ separating means ~~(5)~~ for drawing surrounding water upstream of the ~~said~~ separating means into ~~the said~~ separating means~~([,])~~;

~~characterised in that wherein the said~~ system is incorporated into a retrievable module ~~(2)~~ for use with a modular seabed processing system~~([,])~~;

~~wherein the said~~ separating means comprises dynamic separating means ~~(5)~~ comprising a hydrocyclone; and

~~wherein the said~~ system ~~(1)~~ further includes comprises means ~~(6)~~ for collecting particulates separated from said water by ~~the said~~ dynamic separating means ~~(5)~~, means ~~(7, 32)~~ for removing collected particulates from ~~the said~~ particulate collecting means ~~(6)~~ and means ~~(24, 30)~~ for directing at least some of the at least substantially particulate free water from ~~the said~~ dynamic separating means ~~(5)~~ to ~~the said~~ particulate removal means ~~(7, 32)~~ to enable ~~the said~~ particulate removal means to remove collected particulates and eject them into water surrounding the module ~~(2)~~.

2. (Currently amended) The system as claimed in claim 1, wherein ~~the~~ said pumping means ~~(8)~~ is arranged to inject at least substantially particulate free water from ~~the~~ said dynamic separating means ~~(5)~~ into a hydrocarbon reservoir at a pressure higher than the pressure of fluid in ~~the~~ said reservoir.

3. (Currently amended) The system as claimed in claim 1 ~~or~~ 2, including a combined dynamic separating and particulate collecting means ~~(31)~~.

4. (Currently amended) The system as claimed in ~~any~~ preceding claim 1, wherein ~~the~~ said particulate removal means ~~(7)~~ is arranged to periodically remove collected particulates.

5. (Currently amended) The system as claimed in claim 1, ~~2~~ ~~or~~ 3, wherein ~~the~~ said particulate removal means ~~(32)~~ is arranged to continuously remove collected particulates.

6. (Currently amended) The system as claimed in ~~any~~ preceding claim 1, wherein the particulate removal means ~~(32)~~ comprises a venturi flume.

7. (Currently amended) The system as claimed in ~~any~~ preceding claim 1, including comprising a filter ~~(13)~~ upstream of ~~the~~ said dynamic separating means ~~(5)~~.

8. (Currently amended) An underwater method for removing particulates from water and injecting the resulting water into a hydrocarbon reservoir, comprising the steps of:

pumping water downstream of separating means {5} to draw surrounding water upstream of the separating means into the separating means[,]; and

separating particulates from the water in the separating means and injecting the resulting water into a hydrocarbon reservoir[,];

~~characterised in that~~ wherein the separation occurs in a retrievable module {2} for use with a modular seabed processing system, the particulates are separated from the water in dynamic separating means {5} comprising a hydrocyclone and collected in a collecting means; {6} then removed from the collecting means {6} by particulate removal means {7} to which at least some substantially particulate free water from the dynamic separating means {5} is directed to enable the particulate removal means {7} to remove collected particulates and eject them into water surrounding the module {2}.

9. (Currently amended) The method as claimed in claim 8, including the subsequent step of injecting at least substantially particulate free water from the dynamic separating means {5} into a hydrocarbon reservoir at a

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pressure higher than the pressure of fluid in the reservoir.